

Mr. L.N. Stallings, PE
DIV. # 04
WILSON
CS# 01-53-26



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JAMES B. HUNT JR.
GOVERNOR

DIVISION OF HIGHWAYS
P.O. BOX 25201, RALEIGH, N.C. 27611-5201

GARLAND B. GARRETT JR.
SECRETARY

November 14, 1997

Division: 04
County: Wilson
Signal Inv. No.: 04-1182
Work Order No.: N/A
Description: Over Height Vehicle Detection System on I-95 south of US 301-701/NC 96,
near Four Oaks.

MEMORANDUM

TO: Mr. D. R. Dupree
Division Engineer

FROM: L. M. Eddins
Signals & Geometrics Design Engineer

SUBJECT: Field Investigation Findings

On October 31, Jimmy Eatmon, Jerry Page, and I made a field investigation to determine the most effective and economical way to handle the over height vehicle detection.

Our recommendations are as follows:

We recommend utilizing the directional detection units and placing the over height detection units on opposite shoulders of I-95 with no over height detection equipment installed in the median area. The transmitter would be placed on the outer shoulder of the southbound lane and the receiver would be installed on the northbound shoulder as originally planned.

To acquire power for the transmitter (southbound shoulder) and the receiver and flashers (northbound shoulder), we recommend the power company install one pole on each shoulder of I-95 within the right-of-way connecting to the existing power source running along the service roads.

We would install the transmitter unit on the new power pole, eliminating the need for the telescoping pole and miscellaneous installation requirements. The receiver would still be attached to the back of the existing sign assembly, as originally proposed.

Conduit connecting the receiver and the flasher should be installed close to the right-of-way fence line well beyond 30' from the travelway, reducing the scope of the traffic control for I-95. Traffic control would still be required for the installation of sign related items on I-95 and for the service road.

I have talked to Susan Kunz, with the Signing Unit and given her the go ahead to begin developing the signing plans along with the cost estimate and special provisions as instructed by Mr. Tom Turnage.

We will give the Traffic Control Unit information for development of their plans as soon as possible.

This project is to be Contractor installed and contractor supplied; therefore special provisions will be required.

Jerry Page will organize the project, special provisions that are submitted to him by all responsible units.

If you have any questions or comments, or disagree with any suggestions for improvement of this project, please call me at 733-5637.

LME:lme

Att.

cc: Mr. L. N. Stallings, P.E.
Mr. T. Turnage
Mr. K. E. Milam, P.E.
Mr. Jimmy Eatmon, P.E.
Mr. Jerry Page, P.E.
Ms. S. B. Kunz
Mr. J. S. Bourne, P.E.